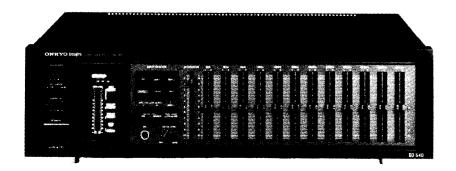


SERIAL No. 3303

ONKYO SERVICE MANUAL

Stereo Graphic Equalizer MODEL EQ-540



UD	120V AC, 60Hz
UW	120V/220V AC, 50Hz/60Hz
UQ	240V AC, 50Hz





SPECIFICATIONS

EQUALIZER SECTION

Input: Sensitivity (FLAT): 150 mV

Impedance: 50 kohms Voltage (FLAT): 150 mV

Output: Voltage (FLAT): 150 mV Impedance: 1 kohm

Max. output: More than 5 V, 20 Hz - 20 kHz, 0.05% THD.

Frequency response: $+0/-0.5 \, dB$, $10 \, Hz - 35 \, kHz$

Total harmonic distortion: Less than 0.01%, 20 Hz - 20 kHz, 1.5 V output (FLAT)

Signal to noise ratio: 100 dB, 1.5 V output, IHF-A, input short

Adjustable range: $\pm 6 \text{ dB} / \pm 12 \text{ dB}$ Gain: $\pm 6 \text{ dB} / \pm 12 \text{ dB}$

OSCILLATOR SECTION

Step frequencies: 32 Hz, 64 Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz,

8 kHz, 16 kHz

Frequency response: ±1 dB, 32 Hz - 16 kHz

Output voltage: 150 mV

MIC. AMP. SECTION

Input: Sensitivity: 0.2 mV
Impedance: 50 kohms

Frequency response: +0/-1 dB, 20 Hz - 30 kHz

Max. input: 100 mV

OTHERS

AC outlet: 200 watts (UNSWITCHED)

Power supply: AC 120 V, 60 Hz

Dimensions: 435 (W) x 131 (H) x 362 (D) mm

17-1/8" x 5-3/16" x 14-1/4"

Weight: 5.7 kg, 12.6 lbs.

Specifications and features are subject to change without notice.

PRECAUTIONS

1. Replacing the lamps

This unit uses the lamps listed below.

 CIRCUIT NO.
 PART NO.
 DESCRIPTION

 PL101
 210195
 PL-AS-EQ540

2. Insulation resistance measurement

Connect the insulating-resistance tester between the plug of power supply cable and the screw on the bottom board. Specifications; 500V, more than $10~M\Omega$

3. Voltage selector (Rear panel)

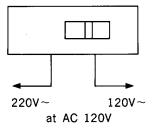
Worldwide models are equipped with a voltage selector to conform with local power supplies.

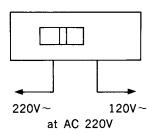
Be sure to set this switch to match the voltage of the power supply in your area before turning the power switch on.

Voltage is changed by sliding the groove in the switch with a screwdriver to the right or left.

Confirm that the switch has been moved all the way to the right or left before turning the power switch on.

Models without a voltage selector can only be used in areas where the power supply is the same as that of the unit.





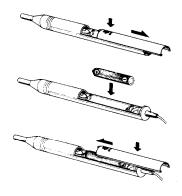
4. Accessory microphone

Battery

The microphone is powered by a battery. Before using this microphone for the first time. insert the battery(included) as shown in the diagram. Whenever the microphone is not in use, be sure to set its ON/OFF switch to OFF. In case the microphone is left ON, the average life of its battery is about 500 hours. The battery lasts from two to three years during ordinary use, but its life may be shorter due to frequent use or environmental conditions (temperature or humidity). If no microphone output can be obtained or noise is produced, please replace the battery with a new one conforming to the table below.

Туре	Voltage	Size
Manganess	1.5 Volt	AA R6 UM-3

Battery Replacement



Assembly of the stand



ADJUSTMENT PROCEDURES

1. Preparation

Switch position
POWER. ON
EQUALIZER OFF
EQ. RANGE ±12dB
SLIDER LED L, R ON
INPUT SELECTOR LINE
OSC. CH L, R ON
METER INPUT SOURCE
PEAK HOLD OFF
METER LEVEL MAXIMUM
ATTENUATOR 0 (MAXIMUM)

EQ. LEVEL 0 (CENTER)

2. Adjustment of level meter sensitivity

- (1) Input a 1KHz, 15mV signal to LINE INPUT L.
- (2) With the semi-fixed resistor VR401, align the indicator tube PEAK LEVEL meter to the "O" graduation. (Move up from below and stop at the position where the "O" section lights.)

3. Adjustment of the meter L, R deviation

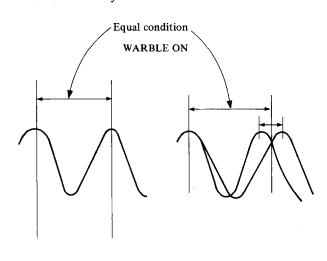
- (1) Input a 1KHz, 15mV signal to both L, R of LINE INPUT.
- (2) With the semi-fixed resistor VR115, adjust the PEAK LEVEL meter indication until they are the same. (Adjust until the METER LEVEL movement up/down for L. R deviation is minimum.)

4. Adjustment of distortion of oscillator signal

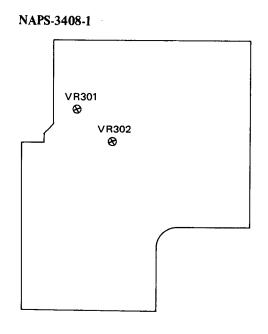
- (1) Set the INPUT SELECTOR to SPOT.
- (2) Push the SHIFT shift to 1KHz.
- (3) With the semi-fixed resistor VR302, adjust the oscillator output (above 150mV) so that the distortion factor is minimum.

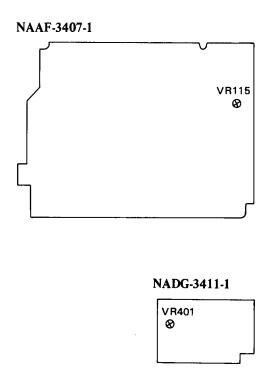
5. Adjustment of WARBLE TONE

- (1) After the adjustment of Item 4, turn ON the WARBLE switch.
- (2) Adjust the semi-fixed resistor VR301 so that the center of the 1KHz waveform of the oscillator is the center of the abnormality.

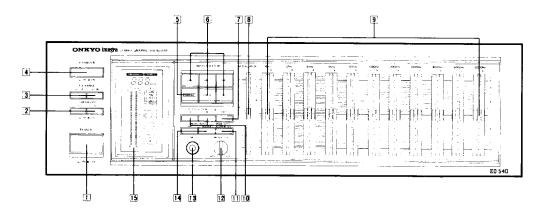


Adjustment point



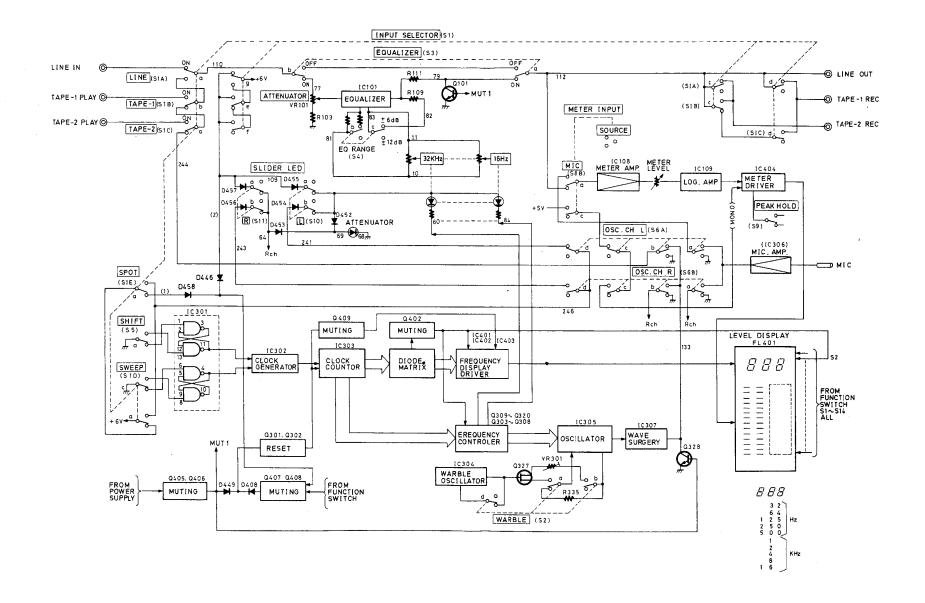


FRONT PANEL FACILITIES

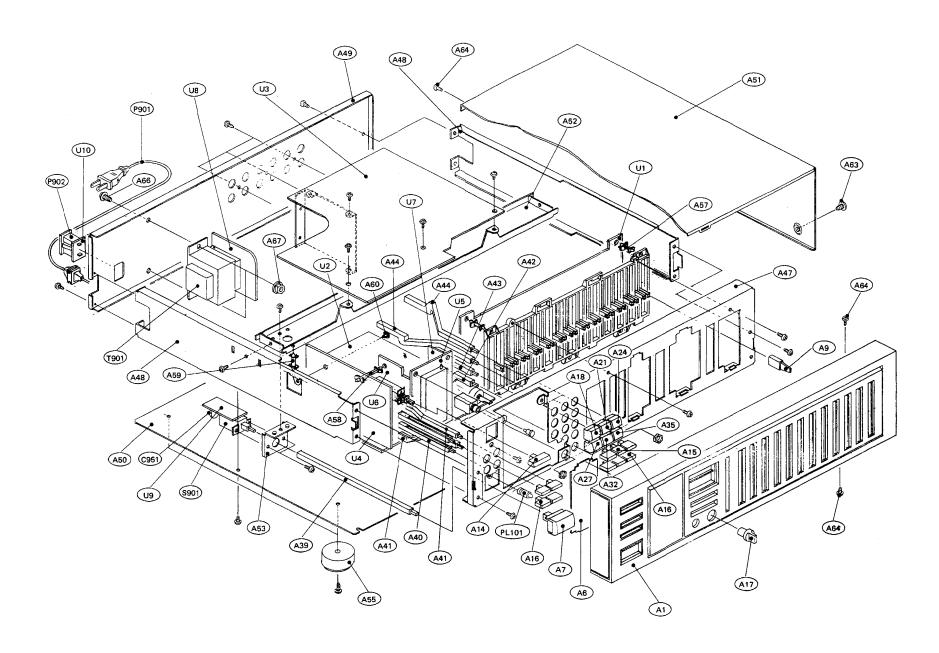


- 1. Power Switch and Indicator (POWER)
- 2. Level Controls and Attenuator Indicator Switches (SLIDER LED)
- 3. Equalizer Range Switch (EQ RANGE)
- 4. Equalizer Switch (EQUALIZER)
- 5. Warble Mods Switch (WARBLE)
- Input Selector Switches (INPUT SELECTOR) LINE, TAPE-1, TAPE-2, SWEEP, SPOT
- 7. Spot Frequency Shift Switch (SHIFT)
- 8. Attenuator and Indicator (ATTENUATOR)
- 9. Level Controls and Indicators
- 10. Oscillator Channel Switches (OSC CH)
- 11. Peak Hold Switch (PEAK HOLD)
- 12. Meter Level Control (METER LEVEL)
- 13. Microphone Jack (MIC)
- 14. Level Meter Input Selectors (METER INPUT) SOURCE, MIC
- 15. Fluorescent Display (FREQUENCY, PEAK LEVEL, etc.)

BLOCK DIAGRAM



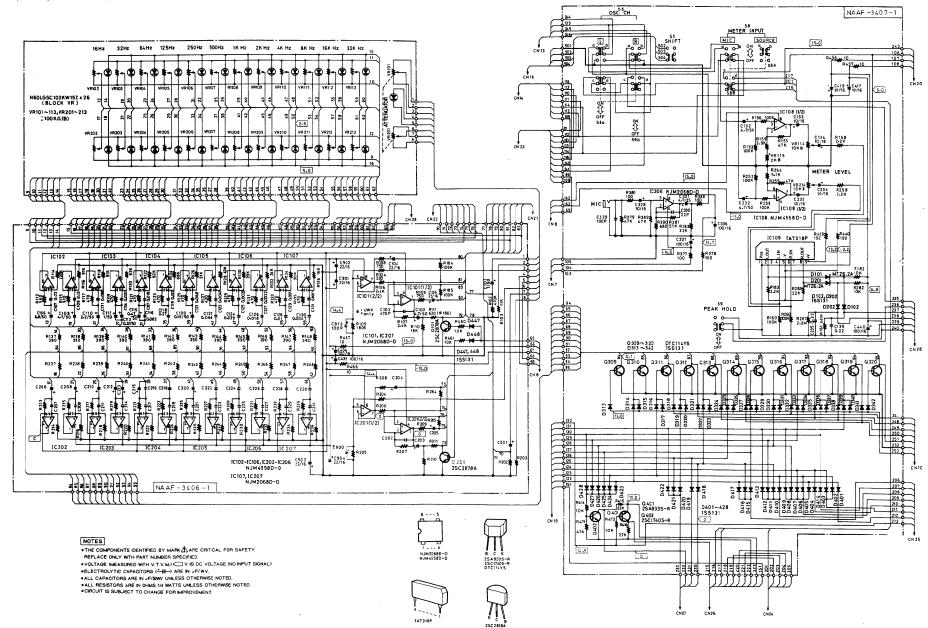
CHASSIS-EXPLODED VIEW

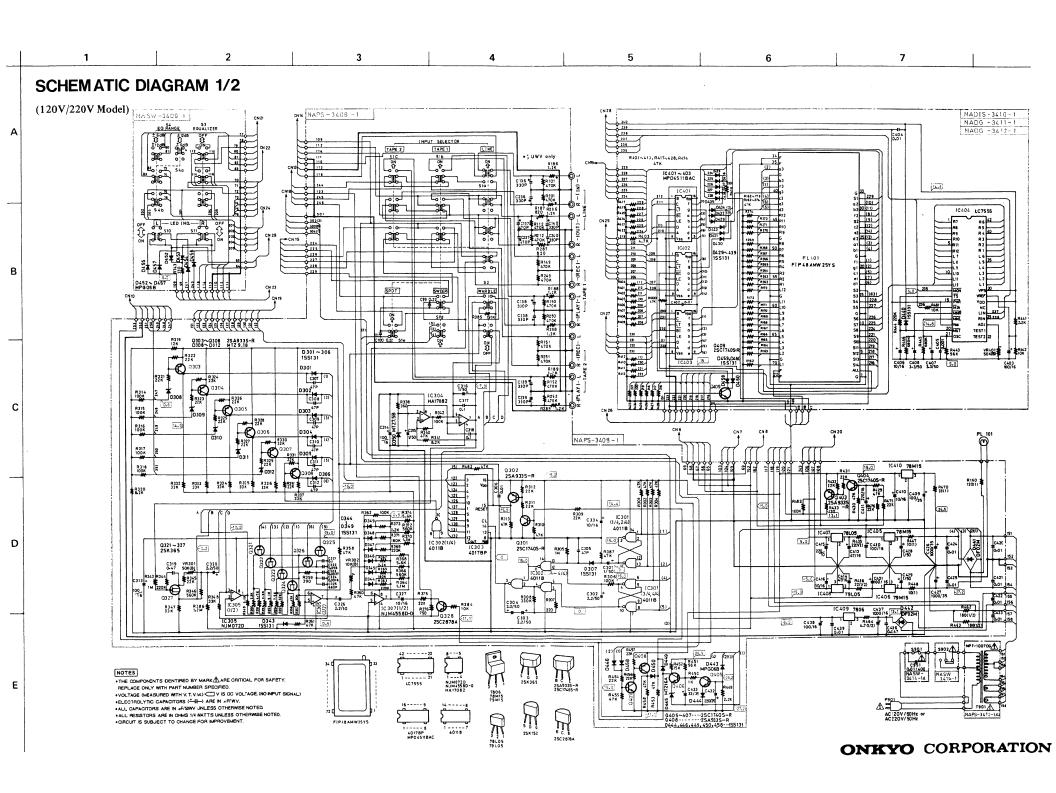


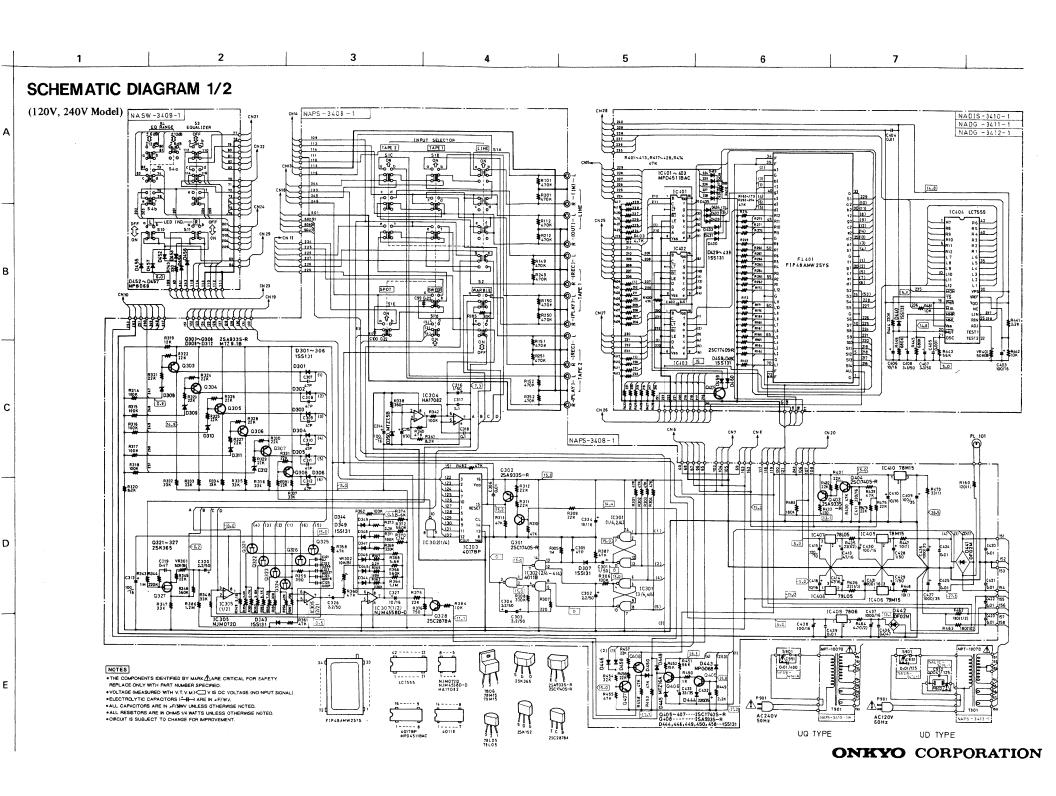
1 2 3 4 5 6 7

SCHEMATIC DIAGRAM 2/2

(120V, 240V, 120V/220V Model)

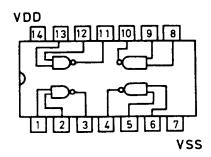




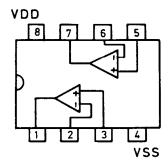


IC BLOCK DIAGRAM

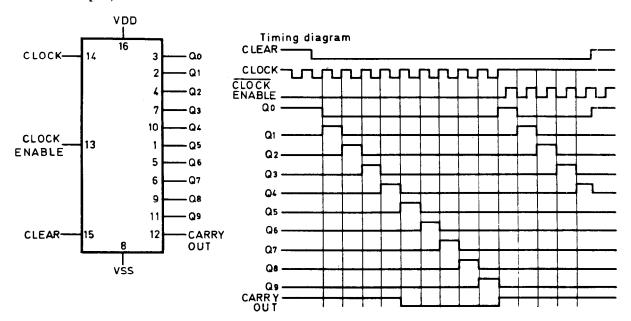
4011 (2-Input NAND Gate)



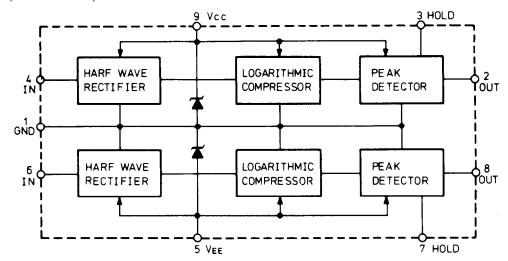
NJM2068DD (Operational Amplifier) NJM4558DD NJM072D HA17082



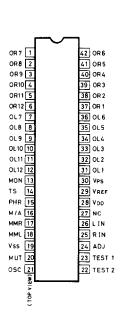
4017 (Decade Counter with 10 Decoded Output)

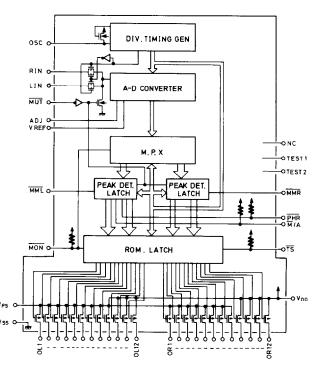


TA7318P (Meter Driver)

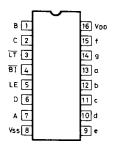


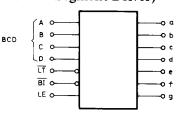
LC7555 (Peak Holding Level Meter)





μPD4511BAC (BCD-to Seven Segment Driver)







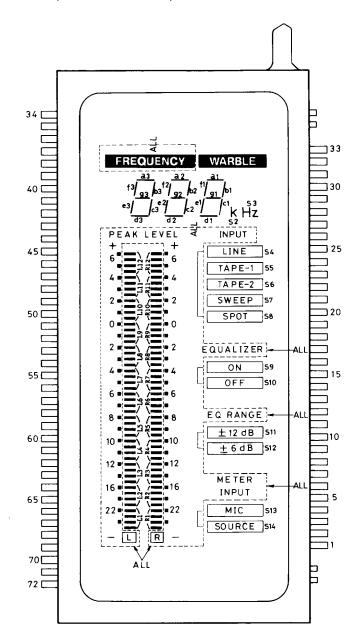


TRUTH TABLE

INPUT							I				OUT	PUT		
LE	BI	LŤ	D	С	В	Α	α	b	С	d	e	f	g	DISPLAY
X	X	L	Х	х	Х	Х	Н	H.	Н	Н	Н	Н	Н	8
Х	L	Н	Х	Х	Х	Х	L	L	L	L	L	L	L	BLANK
L	Н	Н	L	L	L	L	Н	Н	Н	Н	Н	Н	L	0
L	Н	Н	L	L	L	Н	L	Н	Н	Ł	L	L	L	1
L	Н	Н	L	L	Н	L	Н	Н	L	Н	Н	L	Н	2
L	Н	Н	L	L	Н	Н	Н	Н	Н	Н	L	L	Н	3
L	Н	Н	L	Н	L	L	L	Н	Н	L	L	Н	Н	4
L	Н	Н	L	Н	L	Н	Н	L	H	Н	L	Н	Н	5
L	Н	Н	L	Н	Н	L	Н	L	Н	Н	Н	Н	Н	6
L	Н	_ Н	L	Н	Н	Н	Ή	Н	Н	L	L	Н	L	7
L	Н	Н	Н	L	L	L	Ή	Н	Н	Н	Н	Н	Н	8
L	Н	Н	Н	L	L	Н	Н	Н	Н	Н	L	Н	Н	9
L	Н	Н	Н	L	Н	L	L	L	L	L	L	L	L	BLANK
L	Н	Н	Н	L	Н	Н	L	L	L	L	L	L	٦	BLANK
L	Н	Н	Н	Н	L	L	L	L	L	L	L	L	L	BLANK
L	Н	Н	Н	Н	L	Н	Ĺ	L	L	L	L	L	L	BLANK
L	Н	Н	Н	Н	Н	L	L	L	L	L	L	L	L	BLANK
L	Н	Н	Н	Н	Н	Н	L	L	L	Ł	L	L	L	BLANK
Н	Н	Н	Х	Х	Х	Х								

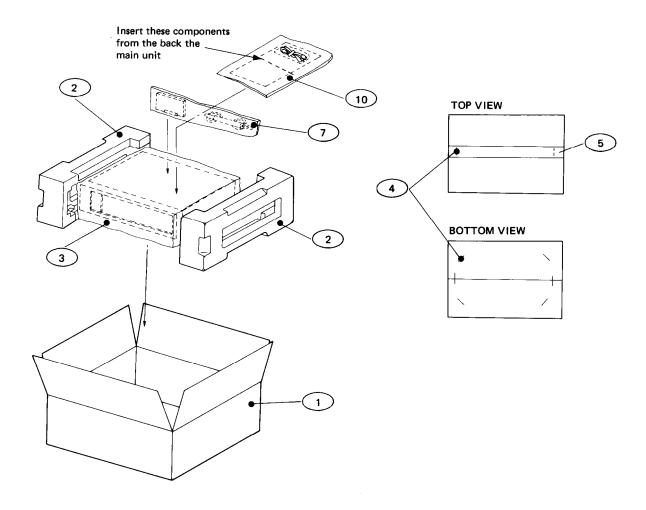
H: HIGH LEVEL L: LOW LEVEL X: Hor L

FIP48AMW25YS (Fluorescent Tube)



TERMINAL NO.	1	2	3	4	5	6	7	8	9	10
ELECTROOE	G	P ALL	P S14	P S13	P S12	P \$11	P S10	P \$9	P S8	P S7
TERMINAL NO.	11	12	13	14	15	16	17	18	19	20
ELECT ROOE	P S6	C	P S5	P S4	P S3	P S2	P d1	P el	P cl	P gl
TERMINAL NO.	21	22	23	24	25	26	27	28	29	30
ELECTROOE	P fl	G	P b1	P al	P d2	P e2	P c2	P g2	P f2	P b2
TERMINAL NO.	31	32	33	34	35	36	37	38	39	40
ELECTROOE	P a2	P S1	G	F	F	P a3	G	P b3	P f3	Р g 3
TERMINAL NO.	41	42	43	44	45	46	47	48	49	50
ELECTROOE	P c3	P e3	P d3	P R12	P R11	P R10	P R9	G	P R8	P R7
TERMINAL NO.	51	52	53	54	55	56	57	58	59	60
ELECTROOE	P R6	P R5	P R4	P R3	P R2	P R1	P L12	G	P L11	P L10
TERMINAL NO.	61	62	63	64	65	66	67	68	69	70
ELECTROOE	P L9	P L8	P L7	P L6	P L5	P L4	P L3	P L2	G	P L1
TERMINAL NO.	71	72								
ELECTROOE	F	F								

PACKING PROCEDURES



1	29051731	MASTER CARTON BOX
2	29091283	PAD
3	29100104	POLY-VINYL BAG
4	282301	SEALING HOOK
5	260012	W=50 mm, DAMPLON TAPE
10	ACCESSARY	BAG ASS'Y
	29341287	INSTRUCTION MANUAL [D]
	29341288	INSTRUCTION MANUAL [W][V][Q]
	29341297	INSTRUCTION MANUAL, I [W][V]
	29358002F	SERVICE STATION LIST [N]
	29365019	WARRANTY CARD [N]
	29365020	WARRANTY CARD [V]
	29365022	WARRANTY CARD [Q]
	29100006A	350 x 250, POLY-VINYL BAG
	2010112	CONNECTION CABLE
	25055040	CV-K-2, CONVERSION PLUG [W]
-	0.1100000	

MICROPHONE ASS'Y

DESCRIPTION

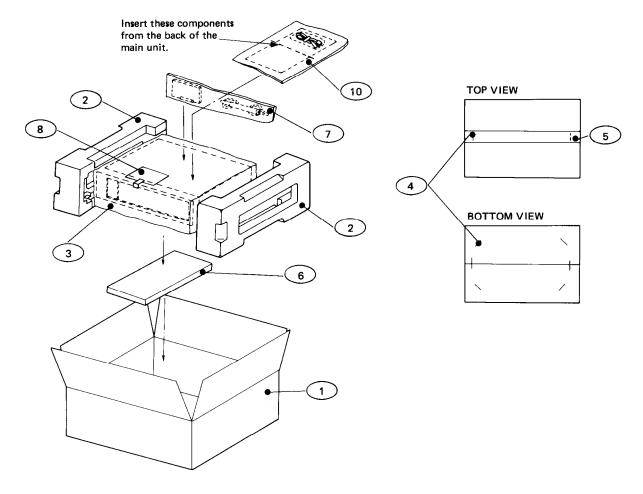
NOTE

REF. NO. PART NO.

[D]: ONLY 120V MODEL
[V]: ONLY 220V MODEL
[W]: ONLY 120V/220V MODEL
[Q]: ONLY 240V MODEL

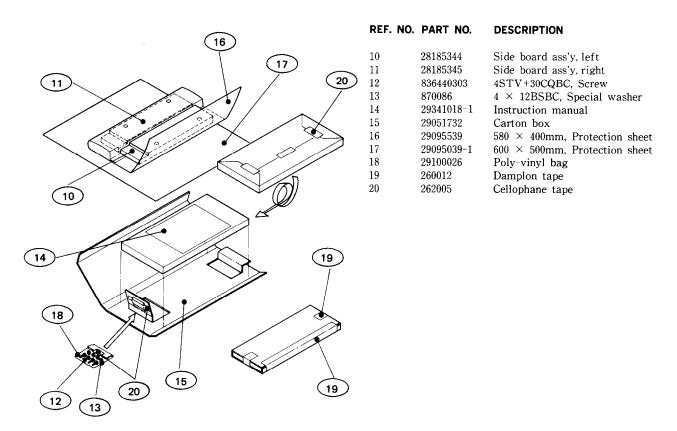
24190008

Only military market model

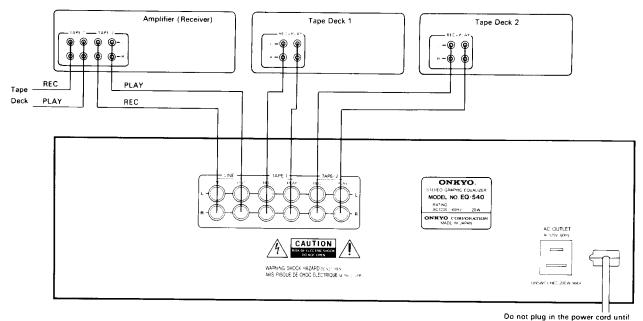


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1 2 3 4	29051767 29091283 29100104 282301	MASTER CARTON BOX PAD POLY-VINYL BAG SEALING HOOK	8 8	29380084 29380085	CAUTION (120) [XD] CAUTION (220) [XG]
5 6 (6) (6) (6) (6) (6) (6) (6) (6)	260012 ———————————————————————————————————	W=50 mm, DAMPLON TAPE SIDE BOARD SIDE BOARD (L) SIDE BOARD (R) 4STV+30CQBC, SCREW 4 × 12BSBC, SPECIAL WASHER INSTRUCTION MANUAL CARTONBOX PROTECTION SHEET PROTECTION SHEET POLY-VINYL BAG LABEL (120), AC CABLE [XD] LABEL (220), AC CABLE [XG]		ONLY 120V M ONLY 220V M	
10		BAG ASS'Y INSTRUCTION MANUAL SERVICE STATION LIST WARRANTY CARD 350 x 250, POLY-VINYL BAG CONNECTION CABLE CV-CP, CONVERSION PLUG MICROPHONE ASS'Y			

Only military market model



SYSTEM CONNECTIONS



all connections have been made.

PRINTED CIRCUIT BOARD PARTS LIST

EQUALIZER CIRCUIT PC BOARD (NAAF-3406-1,NAAF-3406-1A) PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.
IC101,IC107 IC201,IC207	222956	NJM2068DD	Q309~Q320 Q401
IC102 ~ IC106 IC202 ~ IC206	222811	NJM4558DD	Q402
Q101,Q201	Transistors 2212285	2SC2878A	D101,D201 D102,D202 D313~D342
D447,D448	Diodes 223172	1SS131	D401~D428
			Gran Gana
C101 C110	Capacitors	1 D FOX Divis	C132,C232
C101,C112	354780109	$1 \mu F$, 50V, Elect.	C133,C134 C233,C234
C201,C212 C102,C202	370134714	470 pF, 100V, Film (APS)	C328,C417
C102,C202 C103,C203	354780479	4.7 μ F, 50V, Elect.	C419
C103,C203 C104,C105	354742209	22 μF, 16V, Elect.	C331
C204,C205	334142203	22 μr, 10 v, Elect.	C336,C337
C106,C206	354780689	6.8 μF, 50V, Elect.	C440
C100,C207	371122245	$0.22\mu\text{F}$, 50V, Mylar	0110
C108,C208	354780479	$4.7 \mu F$, 50V, Elect.	
C109,C209	371121245	0.12μ F, 50V, Mylar	VR114,VR214
C110,C210	354780229	$2.2 \mu F$, 50V, Elect.	VR115
C111,C211	371126835	0.68 µF, 50V, Mylar	
C113,C213	354782299	0.22μF, 50V, Elect.	
C114,C214	371123335	0.033 μF, 50V, Mylar	S5,S6
C115,C215	354784799	0.47μ F, 50V, Elect.	S8,S9
C116,C216	371128235	0.082 μF, 50V, Mylar	
C117,C217	371121835	0.018 μF, 50V, Mylar	
C118,C218	371122745	0.27μF, 50V, Mylar	
C119,C219	371121235	0.012 μF, 50V, Mylar	
C120,C220	354781599	0.15μF, 50V, Elect.	
C121,C221	371126825	6800 pF, 50V, Mylar	
C122,C222	371126835	0.068 μF, 50V, Mylar	
C123,C223	371124725	4700 pF, 50V, Mylar	
C124,C224	371123935	0.039 μF, 50V, Mylar	
C125,C127	371122225	2200 pF, 50V, Mylar	
C225,C227	051101005	0.010 P 5037 M 1	MAIN PC BOA
C126,C226	371121835	0.018 μF, 50V, Mylar	CIDCUIT NO
C128,C228	371121035	0.01μF, 50V, Mylar	CIRCUIT NO.
C129,C229 C130,C230	371121025	1000 pF, 50V, Mylar 4700 pF, 50V, Mylar	IC301,IC302
,	371124725	680 pF, 100V, Film (APS)	IC301,IC302 IC303
C131,C231 C901~C904	370136814 354742209	22 μF, 16V, Elect.	IC303 IC304
C901~C904	334142209	22 μr, 16V, Elect.	IC304 IC305
	Jumper sock	et	IC307
	25050140	NJPJ-3P-S	IC405,IC410
	25050140	NJPJ-5P-S	IC406
	25050142	NJPJ-7P-S	IC407
	25050144	NJPJ-12P-S	IC408
			IC409

EQUALIZER SWITCH AND MIC CIRCUIT PC BOARD (NAAF -3407-1) PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
	ICs	
IC108	222811	NJM4558DD
IC109	222509	TA7318P
IC306	222956	NJM2068DD

CIRCUIT NO.	PART NO. Transistors	DESCRIPTION
Q309~Q320	221281	DTC114YS
Q401	2213354	2SA933SR
Q402	2213284	2SC1740SR
	Diadaa	
D101,D201	Diodes 224450621	MTZ6.2A, Zener
D101,D201 D102,D202	223172	1SS131
D313~D342	223172	155151
D401~D428		
D101 D120		
	Capacitors	
C132,C232	354780479	$4.7 \mu F$, $50V$, Elect.
C133,C134	354741009	10 μ F, 16V, Elect.
C233,C234		
C328,C417		
C419	05.455.4500	A.G. D. OSM. DI
C331	354754709	4.7 μF, 25V, Elect.
C336,C337 C440	354741019	100 μF, 16V, Elect.
C440		
	Resistors	
VR114,VR214	5104244	N16RGL10KB202
VR115	5210155	N06HR2KBD, Semi-fixed variable
	Switches	
S5.S6	25035593	NPS-162-142-222-L555
S8,S9	25035594	NPS-142-222-L556
,		
	MIC Jack	
	25045241	MIC-JACK-EQ540
	Plugs	
	25055418	NPLG-5P400
	25055419	NPLG-6P401
	25055420	NPLG-10P402

MAIN PC BOARD (NAPS-3408-1,NAPS-3408-1A) PARTS LIST

CIRCUIT NO.	PART NO. ICs	DESCRIPTION
IC301,IC302	222840111	4011B
IC303	222840171	4017BP
IC304	22240195	HA17082
IC305	222735	NJM072D
IC307	222811	NJM4558DD
IC405,IC410	222780151	78M15
IC406	222790151	79M15
IC407	222780053	78L05
IC408	222790053	79L05
IC409	222780060	7806
	Transistors	
Q301	2213284	2SC1740SR
$Q404 \sim Q407$		
Q302~Q308	2213354	2SA933SR
Q403,Q408		
$Q321 \sim Q327$	2212445	2SK365GR
Q328	2212285	2SC2878A

CIRCUIT NO.	PART NO. Diodes	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
D301~D307 D343~D349	223172	1SS131		Radiator 27160232	RAD-79
D444,D446 D449,D450	•		EQUALIZER S	WITCH PC BO	ARD (NASW-3409-1) PARTS LIST
D458 D308~D312	224450912	MTZ9.1B, Zener	CIRCUIT NO.	PART NO. Diodes	DESCRIPTION
D350 D441,D442	224450752 223892	MTZ7.5B, Zener DF02M	D452~D457	22380025	MPG06B
D443 D445	22380025 224451601	MPG06B MTZ16A, Zener	S3 S4	Switches 25035597 25035596	NPS-162-L559 NPS-162-322-L558
C136,C138	Capacitors 370133314	330 pF, 100V, Film (APS) [V]		Sockets	
C139,C140 C236,C238 C239,C240				25050374 25050376	NSCT-5P201 NSCT-10P203
C137,C237 C301,C315	370134714 354780109	470 pF, 100V, Film (APS) [V] 1 μF, 50V, Elect.	FI TURE PC 6	ROARD (NADIS	3-3410-1) PARTS LIST
C316 C302~C304	354780229	2.2 μF, 50V, Elect.	CIRCUIT NO.	PART NO.	DESCRIPTION
C326,C320 C313,C314	354741019	100 μF, 16V, Elect.	FL101	FL Tube 212060	
C317,C318 C321	371121045	$0.1 \mu F$, 50V, Mylar	FLIUI	212000 IC	FIP48AMW25YS
C319 C322	371124745 371125635	0.47μF, 50V, Mylar 0.056 μF, 50V, Mylar	IC403	22240186	MPD4511BAC
C323 C324	371122725 371121825	2700 pF, 50V, Mylar 1800 pF, 50V, Mylar	D429,D430	Diodes 223172	1SS131
C325 C327,C334 C410,C416	370136814 354741009	680 pF, 100V, Film (APS) 10 μF, 16V, Elect.	D432~D439		
C410,C410 C409 C411	354761019 354742219	100 μF, 35V, Elect. 220 μF, 16V, Elect.	FL DRIVER CII	RCUIT PC BOA	ARD (NADG-3411-1) PARTS LIST
C413,C414 C415	354744709 354732219	47 μF, 16V, Elect. 220 μF, 10V, Elect.	CIRCUIT NO.	PART NO.	DESCRIPTION
C426,C427 C428,C429	354761029 354780109	1000μF, 35V, Elect. 1 μF, 50V, Elect.	IC404	22240187	LC7555
C430,C431 C432	354741019 354762219	100 μF, 16V, Elect. 220 μF, 35V, Elect.	D440	Diode 223172	1SS131
C433 C437	354763309 354741029	33 μF, 35V, Elect. 1000μF, 16V, Elect.		Capacitors	
C438	354741019 Resistors	100 μF, 16V, Elect.	C403 C406 C407,C408	354741019 354741009 354780339	100 μF, 16V, Elect. 10 μF, 16V, Elect. 3.3 μF, 50V, Elect.
VR301 VR302	5210153 5210154	N06HR50KBD, Semi-fixed N06HR10KBD, Semi-fixed	0.101,0.100	Resistors	0.0 µ1, 00 v, Elect.
R160 R435,R436	441621214 442522204	120 Ω, 1W, Metal oxide film 22 Ω, 1/2W, Metal oxide film	VR401 RA402,RA403	5210152 49123473408	N06HR50KBE, Semi-fixed RM1/8GJ 47K × 8, Resistor
R447,R448 R462,R463	441621004 442521814	10 Ω, 1W, Metal oxide film 180 Ω, 1/2W, Metal oxide film	102,101	10120410400	network
R464 R470	441524704 441623304	47 Ω , 1/2W, Metal oxide film 33 Ω , 1W, Metal oxide film		Socket 25050375	NSCT-6P202
S1	Switch 25035595	NPS-182-ETC-L557	FL DRIVER CI	RCUIT PC BOA	NRD (NADG-3412-1) PARTS LIST
	Input termir 25045242	nal NPJ-4PDBL-115	CIRCUIT NO.	PART NO.	DESCRIPTION
	Jumper soci		IC401,IC402	22240186	MPD4511BAC
	25050140 25050141	NJPJ-3P-S NJPJ-4P-S	0400	Transistor	0CC1740CD
	25050141 25050142 25050143	NJPJ-5P-S NJPJ-6P-S	Q409	2213284	2SC1740SR
	25050144 25050149	NJPJ-7P-S NJPJ-12P-S	D431,D459	Diodes 223172	1SS131

CIRCUIT NO.

PART NO.

DESCRIPTION

RA401,RA404

Resistors

49123473408

RM1/8GJ 47K × 8, Resistor

network

Socket

25050376

NSCT-10P203

DESCRIPTION

POWER TRANSFORMER PC BOARD (NAPS-3413-1,NAPS-3413 -1A,NAPS-3413-1B) PARTS LIST

CIRCUIT NO. PART NO.

Transformer

T901 2300354

NPT-1007D 2300356 NPT-1007DG

2300357 NPT-1007Q [V][W][X][Q]

[D]

Capacitor

C952

3500077 DE7150F472M

Cover(capacitor)

27300601

SB-1925

[V][W][X][Q]

Jumper socket

25050145NJPJ-8P-S

Plug

25055421

NPLG-2P403

POWER SWITCH PC BOARD (NASW-3414-1,NASW-3414-1A) **PARTS LIST**

CIRCUIT NO.

PART NO.

DESCRIPTION

C951

Capacitor 3500065A

DE7150FZ103P

Cover(capacitor)

27300601

SB-1925

[V][W][X][Q]

Switch

S901

25035598

NPS-111-L560P

AC SOCKET PC BOARD (NAETC-3415-1) PARTS LIST

CIRCUIT NO.

PART NO. Socket

DESCRIPTION

P902

25050316

NSCT-2P143T, AC Outlet

VOLTAGE SELECTOR (NAETC-3416-1) PARTS LIST

CIRCUIT NO.

PART NO.

DESCRIPTION

S902

Switch 25065228

NSS-2299, Slide

NOTE

[X]: Only Military market model [V]: Only West germany model

[D]: Only 120V Model

[W]: Only 120V/220V Model

[Q]: Only 240V Model

CHASSIS EXPLODED VIEW PART LIST

 $0.01\mu\mathrm{F},\ \mathrm{CAPACITOR}$

3500065A

∆C951

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
A 1	27211005	FRONT PANEL ASS'Y	⚠ P902	25050316	NSCT-2P143T, AC SOCKET
(A2)	27215143	GUIDE PANEL	PL101	210195	PL-AS-EQ540, LAMP
(A3)	28125194-1	END CAP, LEFT			NSS-2299, SLIDE SWITCH
(A4)	28125195-1	END CAP, RIGHT	U1	1W025506-1	NAAF-3406-1, EQUALIZER CIR
(A5)	28191481	FRONT FILTER			CUIT PC BOARD ASS'Y
(A6)	28133206	COLOR FILTER		1W025506-1A	NAAF-3406-1A, EQUALIZER
(A8)	28198714	FACET			CIRCUIT PC BOARD ASS'Y
A7	28323175	KNOB (POW)			[V]
A9	28323451	KNOB ASS'Y (GE)	U2	1W025507-1	NAAF-3407-1, EQUALIZER
A14	28323453	KNOB (EQ)	02	1 W 025507~1	
		· •			SWITCH AND MIC CIRCUIT PO
A15	28323454	KNOB, (MODE-C)			BOARD ASS'Y
A16	28323455	KNOB, (MODE-H)	U3	1W025508-1	NAPS-3408-1, MAIN PC BOARD
A17	28323456	KNOB (LEV)			ASS'Y
A18	28323457	KNOB ASS'Y (LINE)		1W025508-1A	NAPS-3408-1A, MAIN PC
A21	28323460	KNOB ASS'Y (TAPE-1)			BOARD ASS'Y [V]
A24	28323462	KNOB ASS'Y (TAPE-2)	U4	1W025509-1	NASW-3409-1, EQUALIZER
A27	28323464	KNOB ASS'Y (WARBLE)			SWITCH PC BOARD ASS'Y
A32	28323466	KNOB ASS'Y (SWEEP)			
A35	28323468	KNOB ASS'Y (SPOT)	U5	1W025510-1	NADIS-3410-1, FL TUBE PC
A39	27273102	JOINT (A)	0.5	1 W 025510-1	
		• ' '	TIG	1111005511 1	BOARD ASS'Y
A40	27273103	JOINT (B)	U6	1W025511-1	NADG-3411-1, FL DRIVER CIR
A41	27273104	JOINT (C)			CUIT PC BOARD ASS'Y
A42	27273105	JOINT (D)	U7	$1W025512^{-1}$	NADG-3412-1, FL DRIVER CIR
A43	27273106	JOINT (E)			CUIT PC BOARD ASS'Y
A44	27273107	JOINT (F)	U8	1W025513-1	NAPS-3413-1, POWER TRANS
A47	27110442	FRONT BRACKET			FORMER PC BOARD ASS'Y
A48	27115238	SIDE BRACKET			
A49	27121156	REAR PANEL [D]		1W095512_1A	NAPS-3413-1A, POWER TRANS
1140	27121157			1 W 025515-1A	· · · · · · · · · · · · · · · · · · ·
		REAR PANEL [W][X]			FORMER PC BOARD ASS'Y
	27121158	REAR PANEL [V]			[V][W][X]
	27121159	REAR PANEL [A][B]		1W025513-1B	NAPS-3413-1B, POWER TRANS
A50	27170252	BOTTOM PLATE			FORMER PC BOARD ASS'Y
A51	28184397Z	TOP COVER			[A][B]
A52	27130553	CENTER BRACKET	U9	1W025514-1	NASW-3414-1, POWER SWITCH
A53	27190660	SWITCH HOLDER			PC BOARD ASS'Y
A55	27175153	BOTTOM LEG		1W025514-1A	NASW-3414-1A, POWER
A57	27190688	PC HOLDER		111 020011 111	SWITCH PC BOARD ASS'Y
A58	27190689	PC HOLDER			[V][W][X][A][B]
A59	27190690	PC HOLDER	U10	1337005515 1	
A60	880019		010	1W025515-1	NAETC-3415-1, AC SOCKET PC
		Revet	****	4777000004.0.4	BOARD ASS'Y [D][V][W][X]
A63	8384440087	4TTB + 8SBC, TAP-TIGHT	U11	1W025516-1	NASW-3416-1, VOLTAGE
		SCREW			SELECTOR SWITCH PC BOARD
A64	838430088	3TTB + 8BBC, TAP-TIGHT			ASS'Y [W]
		SCREW			
A66	831140087	4TTW+8S, TAP-TIGHT SCREW			
A67	86414010	FWN4×10FN, FLANGE NUT			
VR101	6170001	N60LGSC100KW15Z × 26, SLIDE	NOTE		
~ VR113	0170001	VARIABLE RESISTOR		V MILLITEADV N	IADVET MODEL
		VARIABLE RESISTOR			IARKET MODEL
VR201				Y WEST GERM	
~VR213				Y AUSTRALIAI	
P901	253153	AS-EQ540UD, POWER SUPPLY	[B]: ONLY	Y BRITISH MO	DEL
		CABLE [D][X]	[D]: ONLY	Y 120V MODEL	
	253154	AS-EQ540UW, POWER SUPPLY	[W]: ONLY	Y 120V/220V MO	DDEL
		CABLE [V][W]			
	253155	AS-EQ540UQA, POWER SUPPLY			
	200100	CABLE [A]			
	050156				
	253156	AS-EQ540UQB, POWER SUPPLY			
		CABLE [B]			
T901	2300354	NPT-1007D, POWER TRANS-	NOTE. T	THE COMPONE	ATC IDENTIFIED BY MADY
		FORMER			NTS IDENTIFIED BY MARK
	2300356	NPT-1007DG, POWER TRANS-			AL FOR RISK OF FIRE AND
		FORMER [V][G][W][X]			CK. REPLACE ONLY WITH
	2300357	NPT-1007Q, POWER TRANS-	P	PARTS NUMBE	R SPECIFIED.
		FORMER [A][B]	L		
S901	25035598	NPS-111-L560P, POWER			
0.501	<i>43</i> 033330				
5000	05005000	SWITCH			
S902	25065228	NSS-2299, SLIDE SWITCH			
∩951	3500065 A	AALUE CADACITOD	i i		